

CLAIMS:

Sub 27 1. A software management system comprising a network system which includes a center server and a local server connected to said center server via a wide-area network, wherein:

said center server includes;

an application that operates upon being downloaded onto said local server;

a script describing the operation of said application; and

a fault countermeasure means for coping with the occurrence of a fault; and

said local server includes:

a network-directed language execution environment;

a remote management means for downloading the application from said center server, and for deleting the application after the processing has been finished;

a script interpretation means for interpreting the script and for requesting said application to execute the processing; and

a highly reliable means for recording event data that occur while said application

is being executed, for managing the data when the fault has occurred, and for executing the restoration processing.

2. A software management system according to claim 1, wherein said remote management means includes:

center server data and application data;

a request processing means that works in response to a request for executing said application;

an application downloading means for downloading the application from said center server based upon said center server data and said application data; and

an application management means for executing the processing for driving or deleting said application based on said application data.

3. A software management system according to claim 1, wherein said script interpretation means includes:

a script definition and a list of events;

an interpretation means for interpreting said script in accordance with said script definition and for outputting an event corresponding to the content of definition of said script; and

an event drive means for fetching said event and for picking up a processing that is driven by said event according to said list of events.

4. A software management system according to claim 1, wherein said script is described in XML (extensible

markup language), and the script definition is described in DTD (document type definition).

5. A software management system according to claim 1, wherein said fault countermeasure means includes:

a fault data-obtaining means for obtaining fault data from said local server in case fault has occurred; and

a fault countermeasure-notifying means for determining the countermeasure against the fault in case the fault has occurred and for notifying it to said local server; and

said highly reliable means includes:

a fault detector means for detecting the occurrence of a fault that has occurred;

a fault data correction means for correcting the fault data when the fault has occurred;

a fault-notifying means for notifying said fault data to said center server;

a restoration means for restoring the fault relying upon the countermeasure against the fault from said center server; and

an event collection means for correcting and recording said event data.

6. A software management system according to claim 5, wherein said fault countermeasure means includes:

a list of fault countermeasures, storing countermeasures against faults for each of the kinds of

the fault data; and

said fault countermeasure-notifying means includes:

a fault countermeasure detector means for detecting a countermeasure against fault corresponding to the kind of the fault data based upon a list of the fault countermeasures; and

a notifying means for notifying the countermeasure against fault to said local server.

7. A software management system according to claim 1, wherein said fault countermeasure means includes:

a fault data-obtaining means for obtaining fault data of when the fault has occurred from said local server; and

said highly reliable means includes:

a fault detector means for detecting the occurrence of a fault;

a fault data collection means for collecting fault data of when the fault has occurred;

a restoration means for autonomously coping with the occurrence of a fault to automatically restore the fault;

a notifying means for notifying the fault data and the data of automatic restoration to said center server; and

an event collection means for collecting and recording the event data.

8. A software management system according to claim 1, wherein said local servers exist in a plural number, each of which including said network-directed language execution environment, said remote management means, said script interpretation means and said highly reliable means.

9. A software management system according to claim 8, wherein said center servers exist in a plural number, each of which including said application, said script and said fault countermeasure means.

10. A software management system according to claim 1, wherein said local servers exist in a plural number, at least one of which including said network-directed language execution environment, said remote management means, said script interpretation means and said highly reliable means, and other local servers including said network-directed language execution environment, said remote management means and said script interpretation means.

11. A software management system comprising a network system which includes a center server and a local server connected to said center server via a wide-area network, wherein:

said center server includes;

an application that operates upon

being downloaded onto said local server; and

a script describing the operation of
said application; and
said local server includes:

a network-directed language execution
environment;

a remote management means for
downloading the application from said center
server, and for deleting the application
after the processing has been finished; and

a script interpretation means for
interpreting the script and for requesting
said application to execute the processing.

12. A software management system according to claim
11, wherein said local servers exist in a plural number,
each of which including said network-directed language
execution environment, said remote management means and
said script interpretation means.

13. A software management system comprising a network
system which includes a center server and a local server
connected to said center server via a wide-area network,
wherein:

said center server includes;

an application that operates upon
being downloaded onto said local server; and

a fault countermeasure means for
coping with the occurrence of a fault; and

said local server includes:

a network-directed language execution environment;

a remote management means for downloading the application from said center server, and for deleting the application after the processing has been finished; and

a highly reliable means for recording event data that occur while said application is being executed, for managing the data when the fault has occurred, and for executing the restoration processing.

14. A software management system according to claim 13, wherein said local servers exist in a plural number, each of which including said network-directed language execution environment, said remote management means and said highly reliable means.